class of organocyclotetrasiloxane units, with substantially every unit of said first class of organocyclotetrasiloxane units being attached to four units of said second class of organocyclotetrasiloxane units through a silicon-bonded alkylene radical of at least two carbon atoms, with substantially every unit of said second class of organocyclotetrasiloxane unit being attached through its 1- and 5silicon atoms, respectively, to two and only two units of said first class of organocyclotetrasiloxane units through said silicon-bonded alkylene radical, substantially of the 10 valences of silicon other than the valences satisfied by oxygen in the cyclotetrasiloxane rings and the valences satisfied by silicon-bonded alkylene radicals being satisfied by monovalent hydrocarbon radicals free of aliphatic unsaturation, said resin having been prepared by effecting reaction in the presence of a catalyst operative to catalyze the addition of silicon-hydrogen bonds across olefinic double bonds and under conditions favorable to such addition between a first class of organocyclotetrasiloxane having the formula,

and a second class of organocyclotetrasiloxane having the formula,

where R is a monovalent hydrocarbon radical free of aliphatic unsaturation and R' represents a member selected from the class consisting of hydrogen and alkenyl radicals, the R' groups of one of the classes of organocyclotetrasiloxane being hydrogen and the R' groups of the other of the classes of organocyclotetrasiloxane being other than hydrogen, said organocyclotetrasiloxanes being employed in the ratio of one mole of said first class of organocyclotetrasiloxane to two moles of said second class of organocyclotetrasiloxane.

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MURRAY TILLMAN, Primary Examiner.

30 WILLIAM H. SHORT, Examiner.